



SOLUCIONES INECUACIONES Y SISTEMAS

II - 6 - 1 - Ejercicio 1

a)		
$x < 1$	$(-\infty, 1)$	
		
b)		
$x < 2$	$(-\infty, 2)$	
		

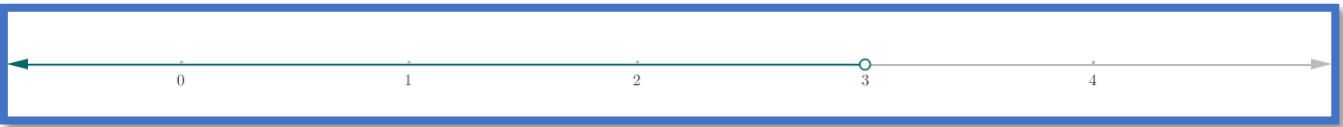
II - 6 - 5 - Ejercicio 2

$x > 4$	$(4, +\infty)$	$Sol: \{x \in \mathbb{R} / x > 4\}$
		

II - 6 - 6 - Ejercicio 3

$$x < 3$$

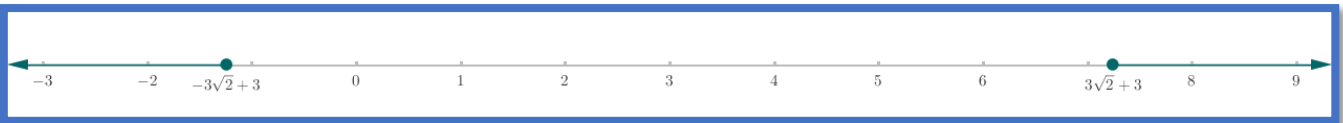
$$(-\infty, 3)$$

**II - 6 - 16 - Ejercicio 4**

$$d) x > \frac{10}{3}$$

II - 6 - 9 - Ejercicio 5

$$(-\infty, 3 - 3\sqrt{2}] \cup [3 + 3\sqrt{2}, +\infty)$$

**II - 6 - 10 - Ejercicio 6**

$$(-\infty, 2) \cup (3, +\infty)$$



II - 6 - 15 - Ejercicio 7

$$(-\infty, 0) \cup \left(\frac{1}{2}, +\infty\right)$$

**II - 6 - 24 - Ejercicio 8**

$$1 < x < 4$$

$$(1, 4)$$

**II - 6 - 45 - Ejercicio 9**

$$-5 < x < 0$$

$$(-5, 0)$$

**II - 6 - 46 - Ejercicio 10**

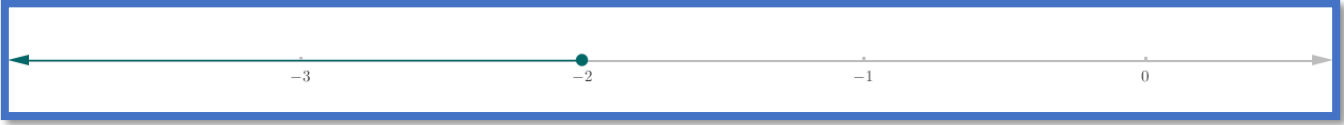
$$\left(-\infty, -\frac{2}{3}\right) \cup \left(\frac{2}{3}, +\infty\right)$$



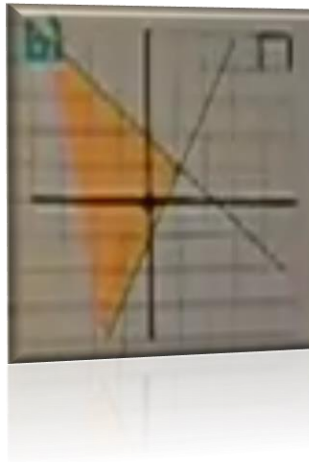
II - 6 - 18 - Ejercicio 11

$$b) x \leq -2$$

$$(-\infty, -2]$$

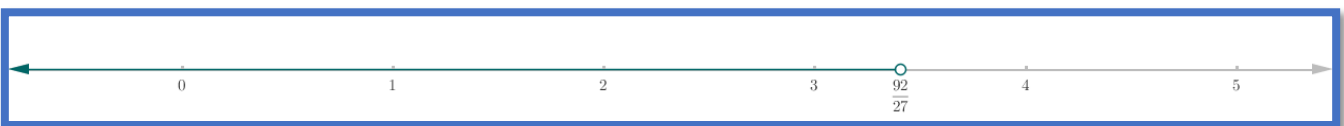
**II - 6 - 19 - Ejercicio 12**

b)

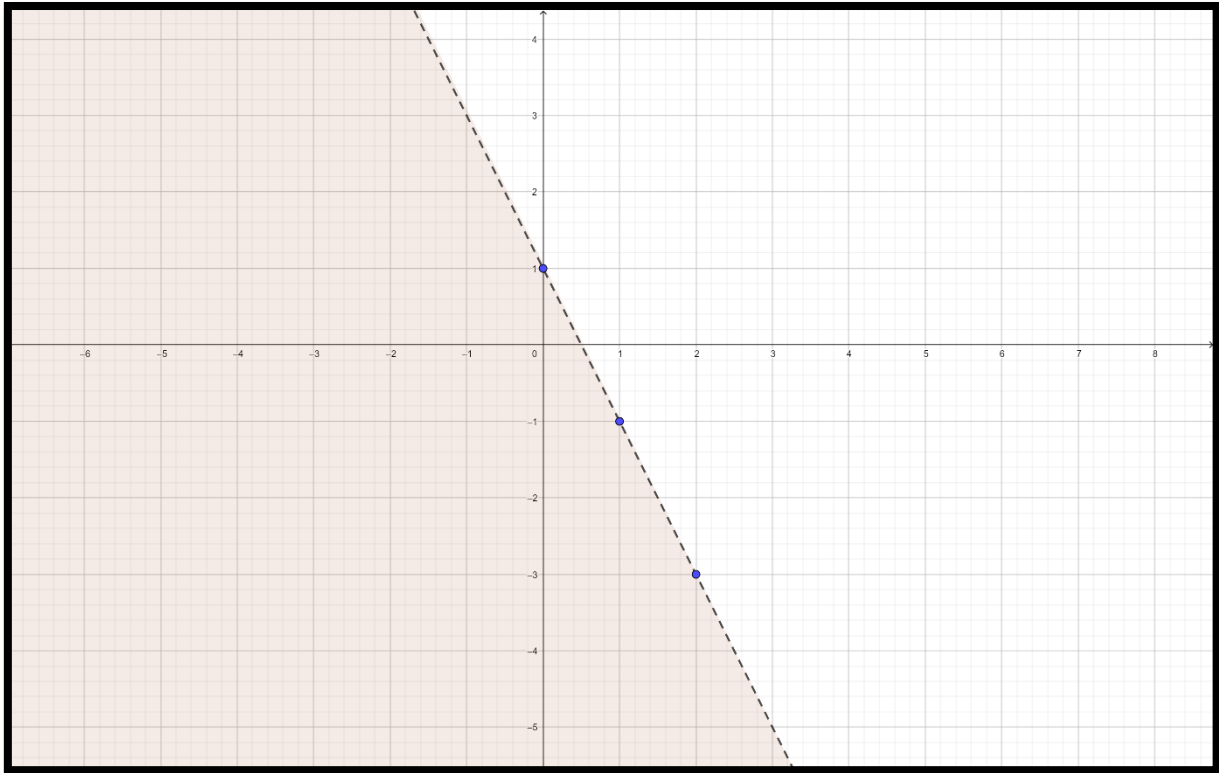
**II - 6 - 20 - Ejercicio 13**

$$x < \frac{92}{27}$$

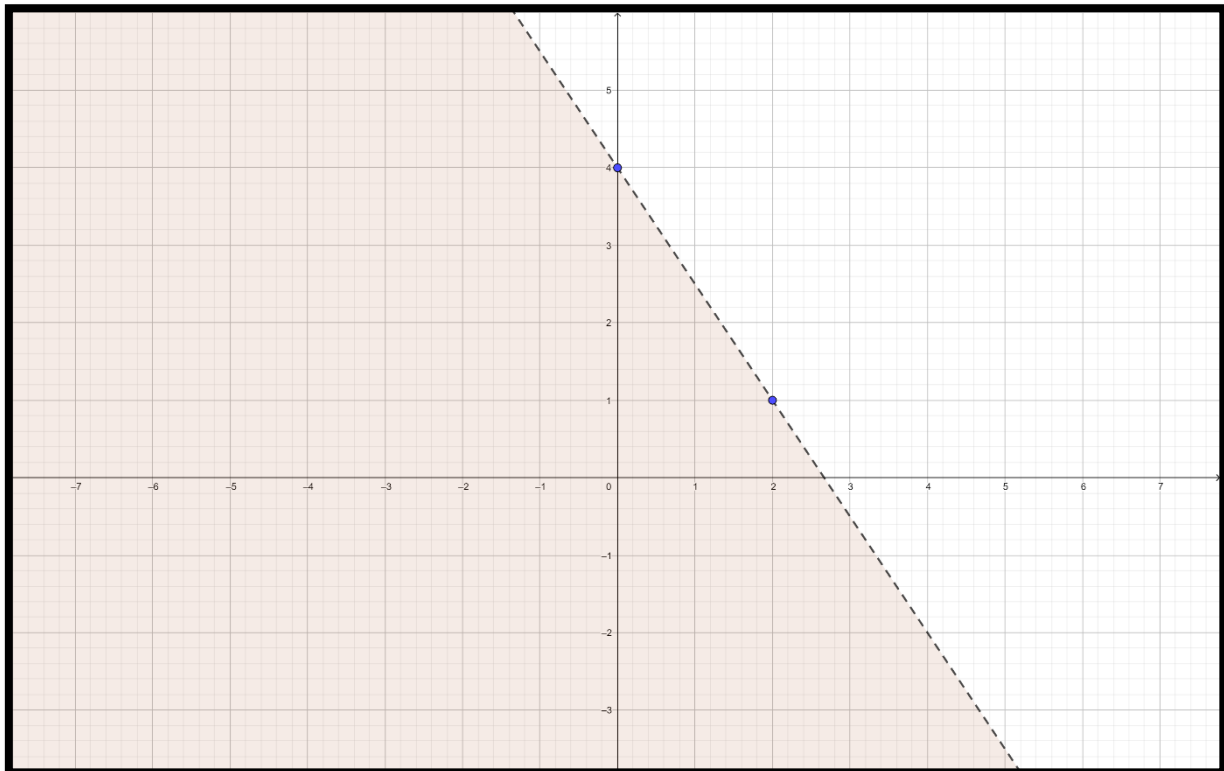
$$\left(-\infty, \frac{92}{27}\right)$$



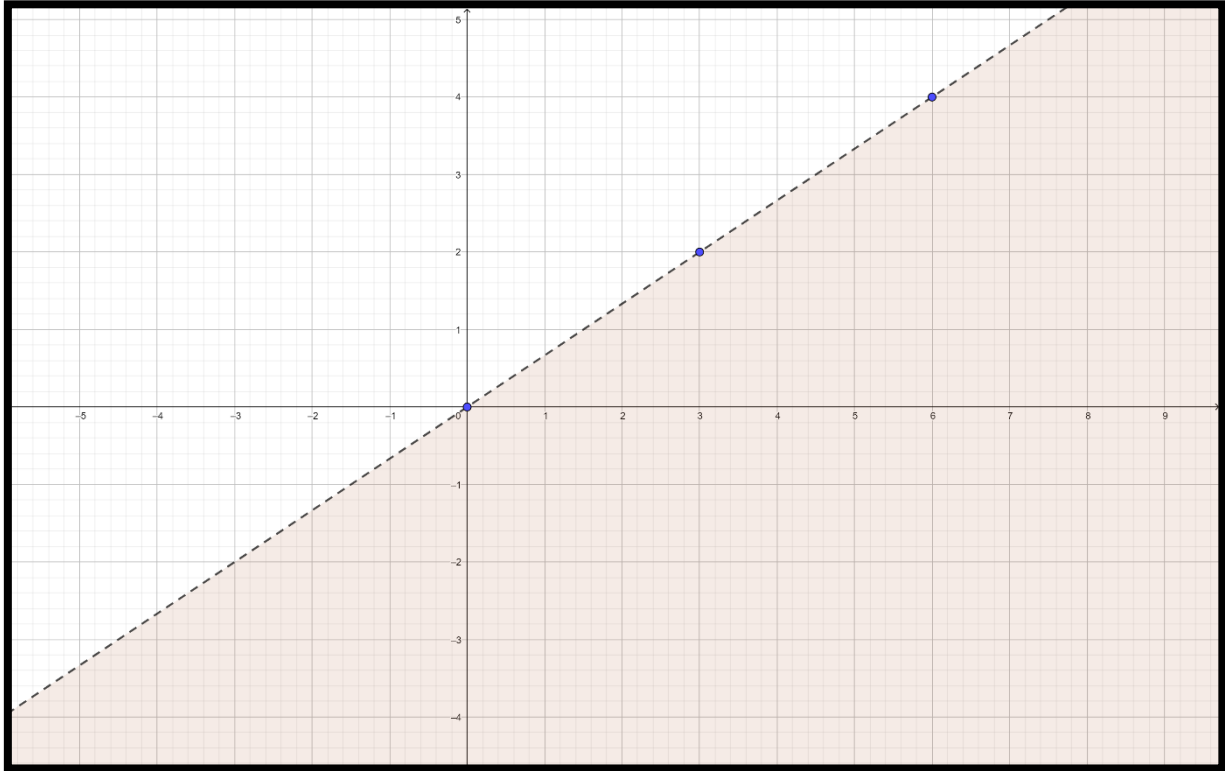
II - 6 - 25 - Ejercicio 14



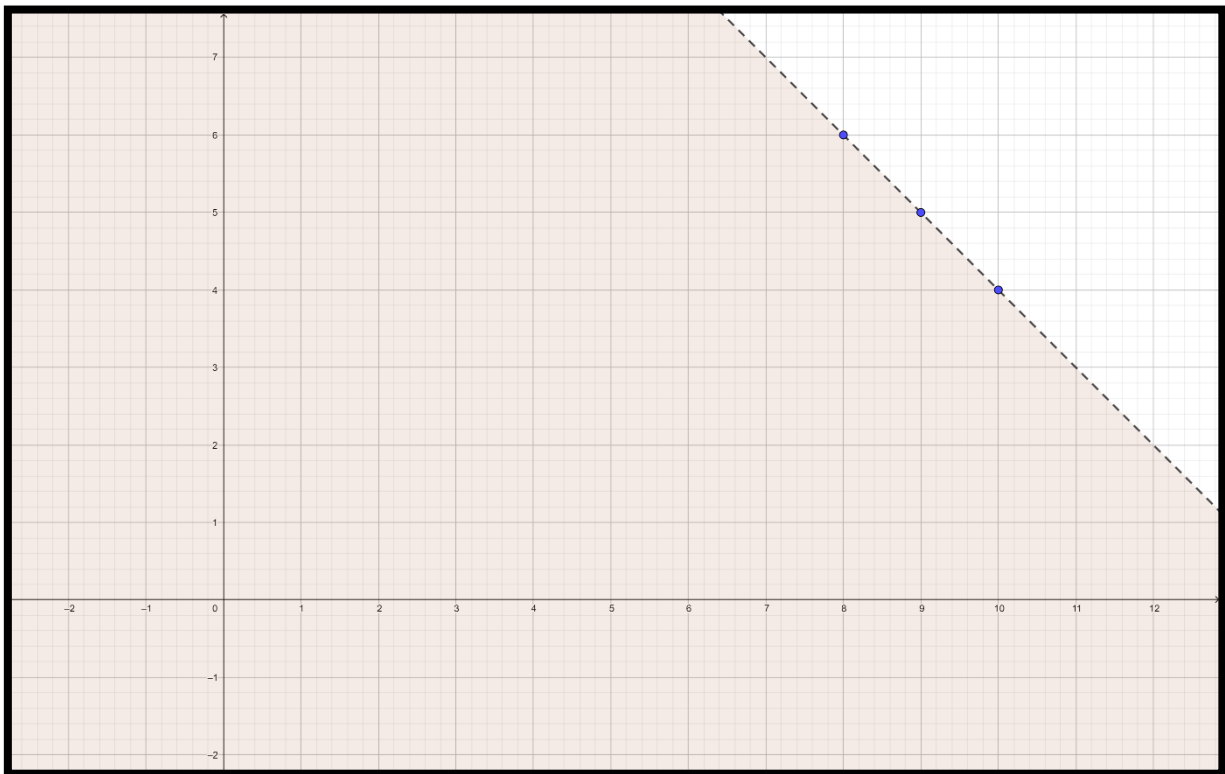
II - 6 - 26 - Ejercicio 15



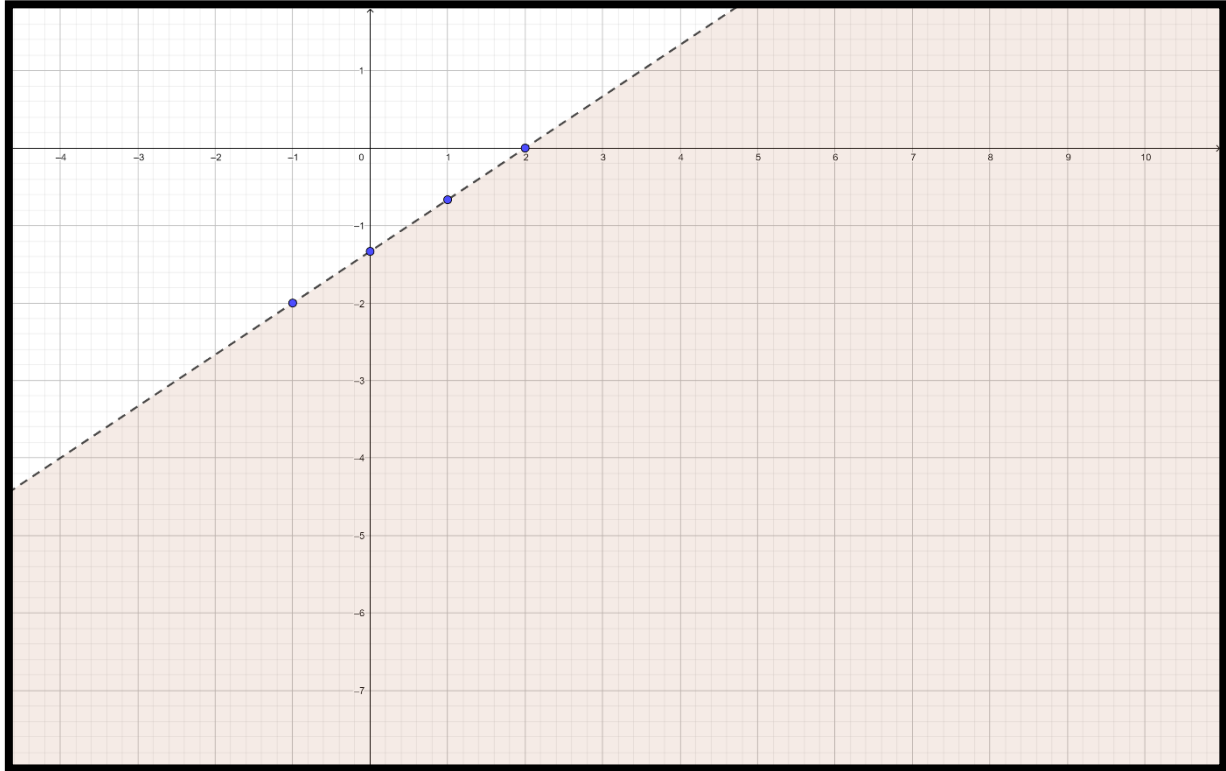
II - 6 - 35 - Ejercicio 16



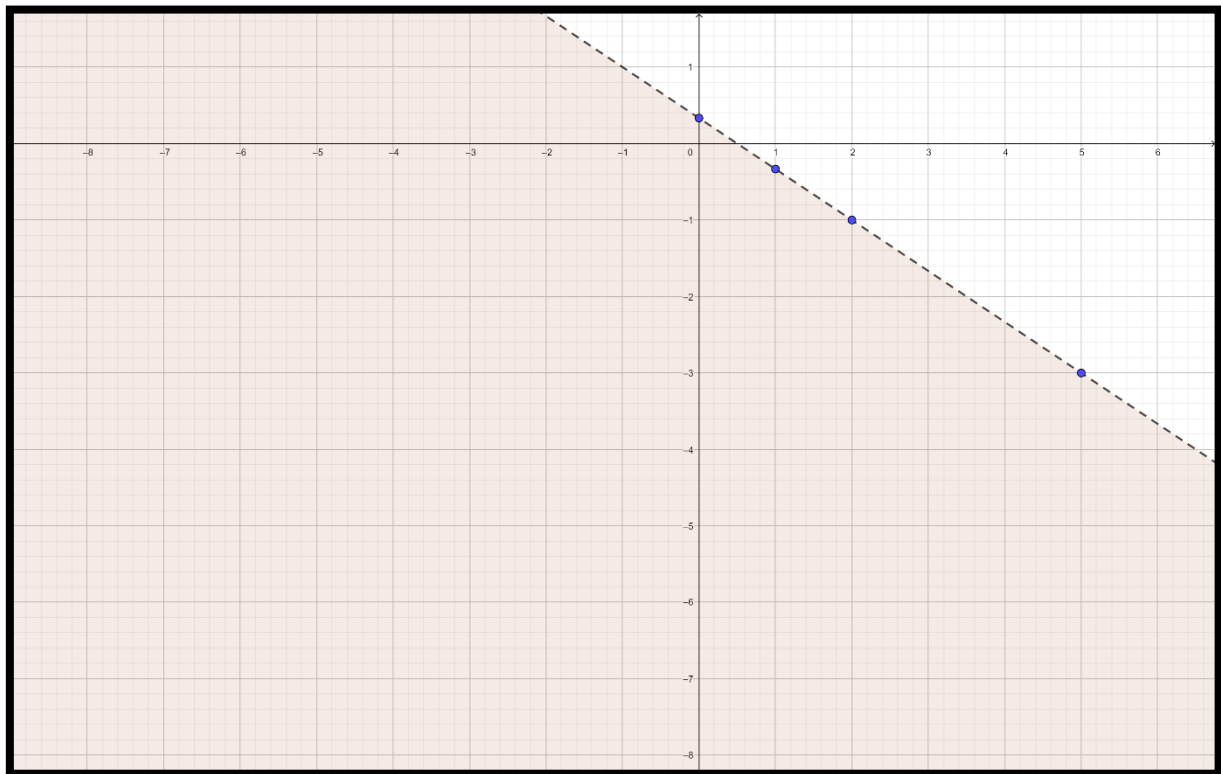
II - 6 - 36 - Ejercicio 17



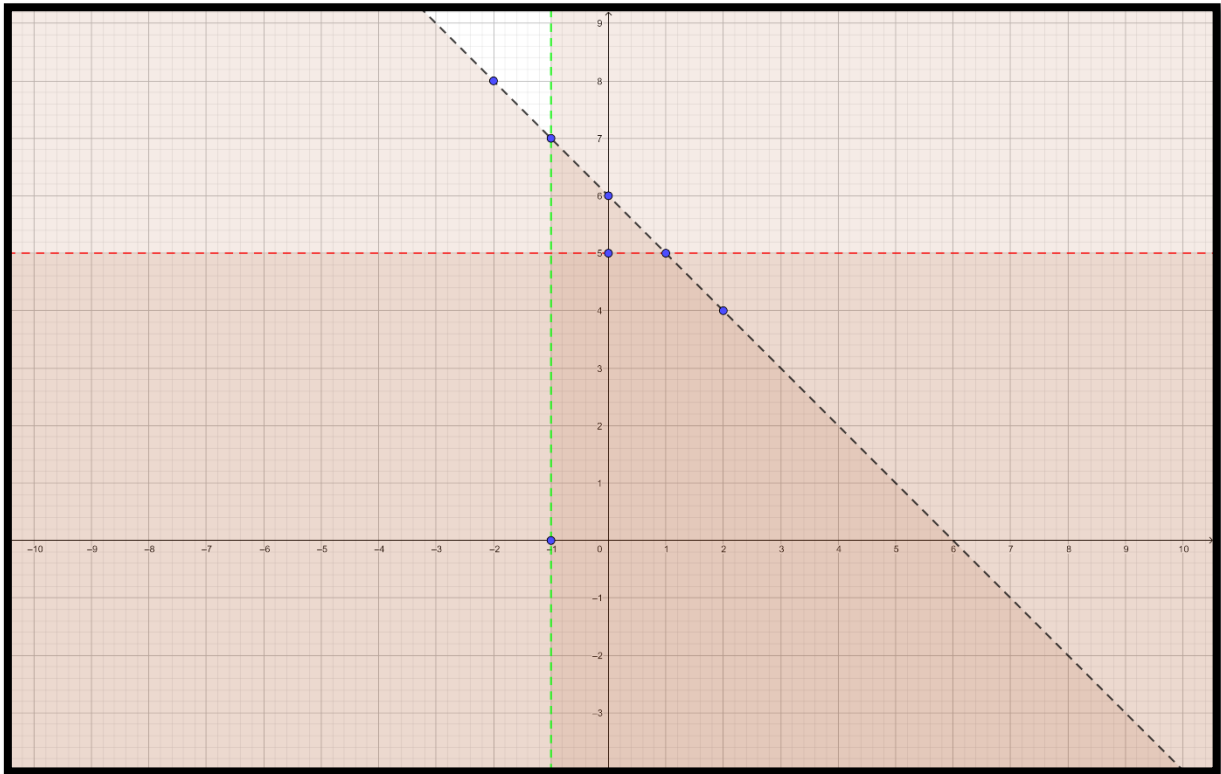
II - 6 - 37 - Ejercicio 18



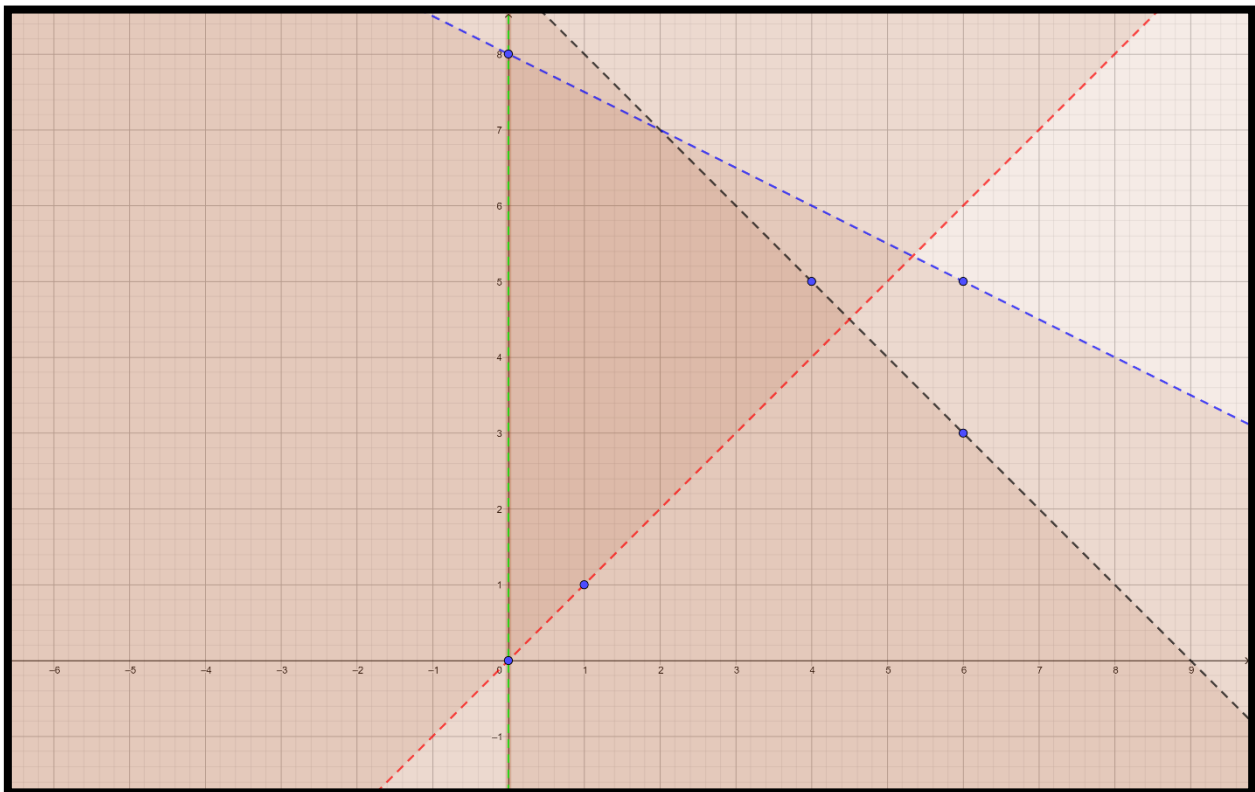
II - 6 - 38 - Ejercicio 19



II - 6 - 41 - Ejercicio 20

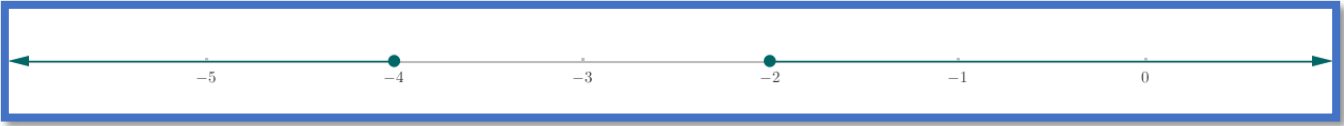


II - 6 - 42 - Ejercicio 21



II - 6 - 47 - Ejercicio 22

$$(-\infty, -4] \cup [-2, +\infty)$$



II - 6 - 48 - Ejercicio 23

$$-3 \leq x \leq 5$$

$$[-3, 5]$$

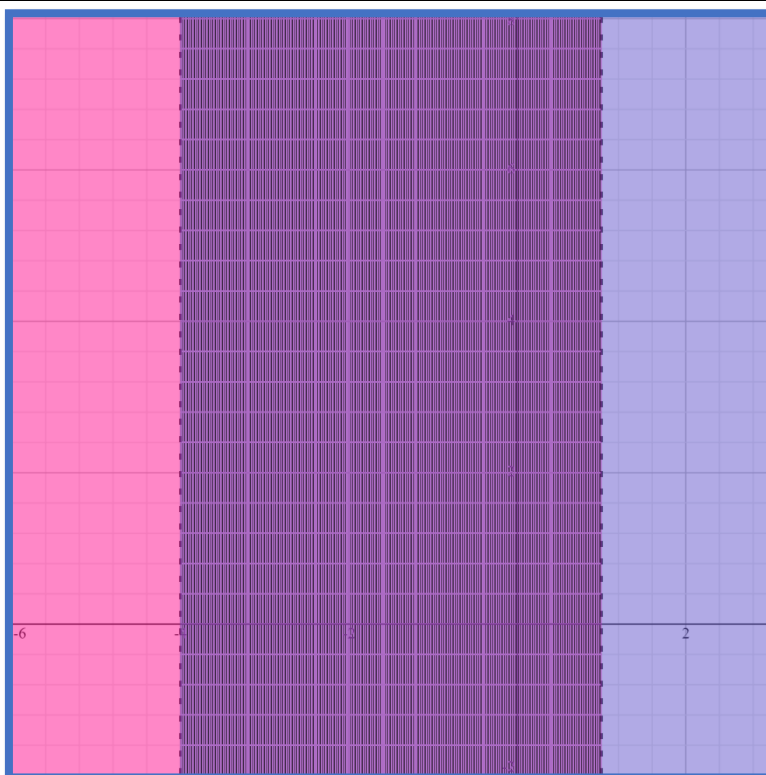


II - 6 - 49 - Ejercicio 24

$$x_1 < 1$$

$$x_2 > -4$$

$$(-4, 1)$$

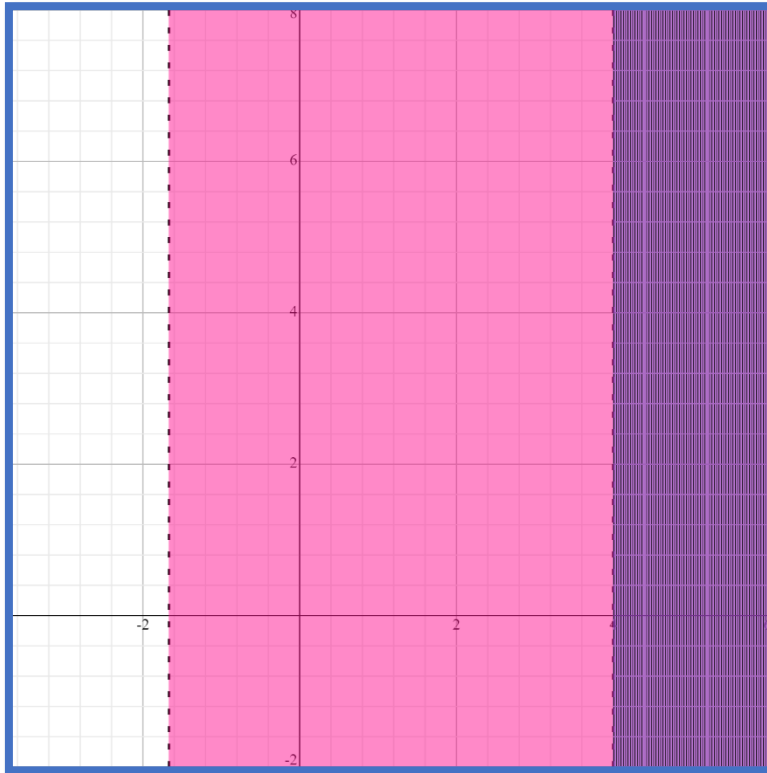


II - 6 - 50- Ejercicio 25

$$x_1 > -\frac{5}{3}$$

$$x_2 > 4$$

$$(4, +\infty)$$

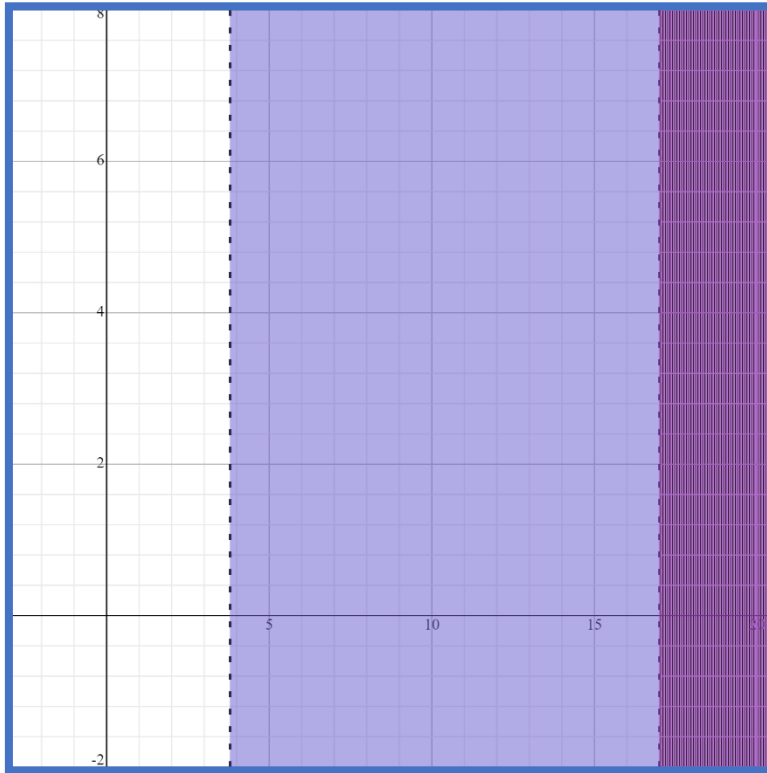


II - 6 - 51 - Ejercicio 26

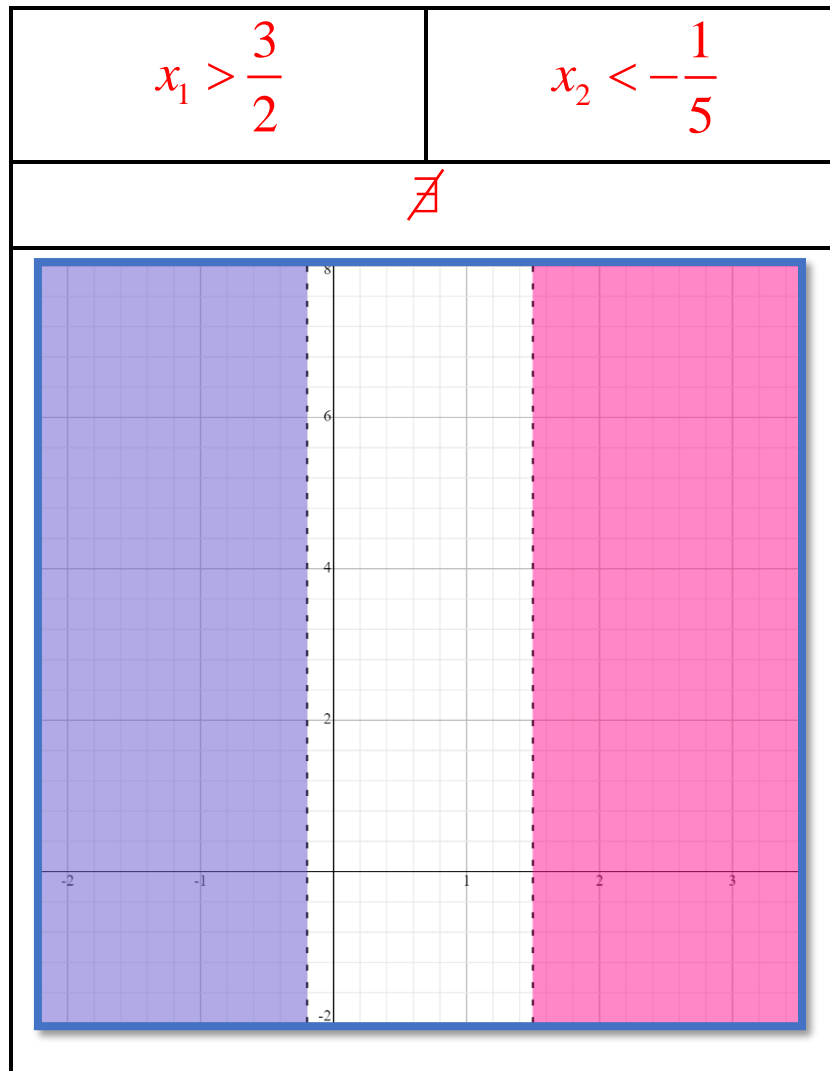
$$x_1 > 17$$

$$x_2 > \frac{19}{5}$$

$$(17, +\infty)$$



II - 6 - 52 - Ejercicio 27

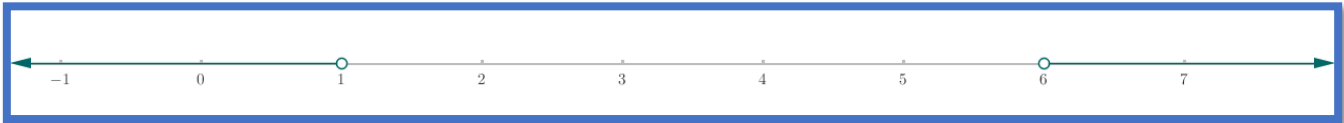


II - 6 - 53 - Ejercicio 28

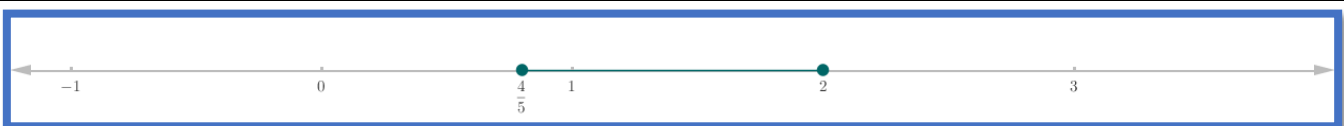


II - 6 - 54 - Ejercicio 29

$$(-\infty, 1) \cup (6, +\infty)$$

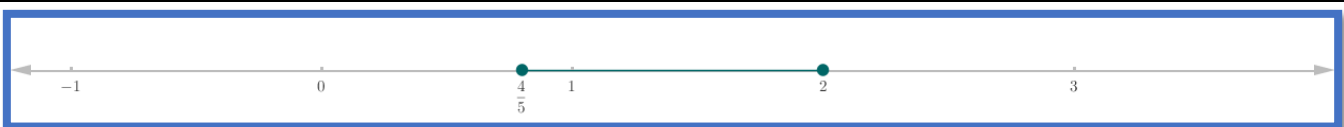
**II - 6 - 55 - Ejercicio 30**

$$\left[\frac{4}{5}, 2 \right]$$

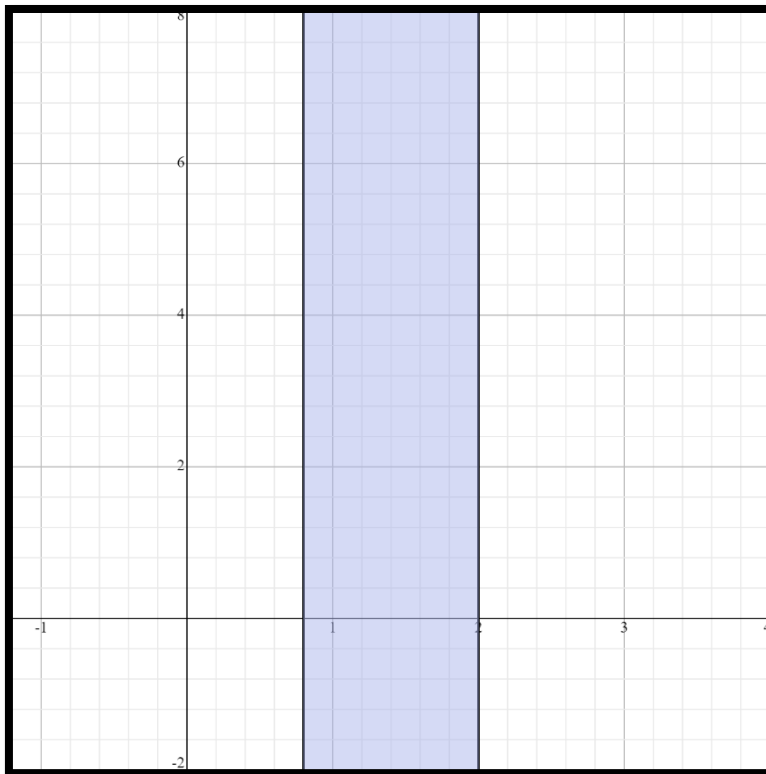
**II - 6 - 56 - Ejercicio 31**

$$\frac{4}{5} \leq x \leq 2$$

$$\left[\frac{4}{5}, 2 \right]$$



II - 6 - 57 - Ejercicio 32



II - 6 - 58 - Ejercicio 33

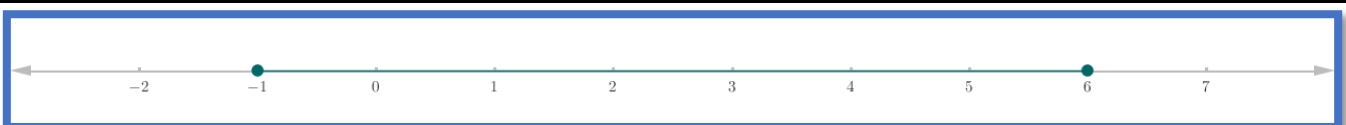
$$[-1, 6]$$



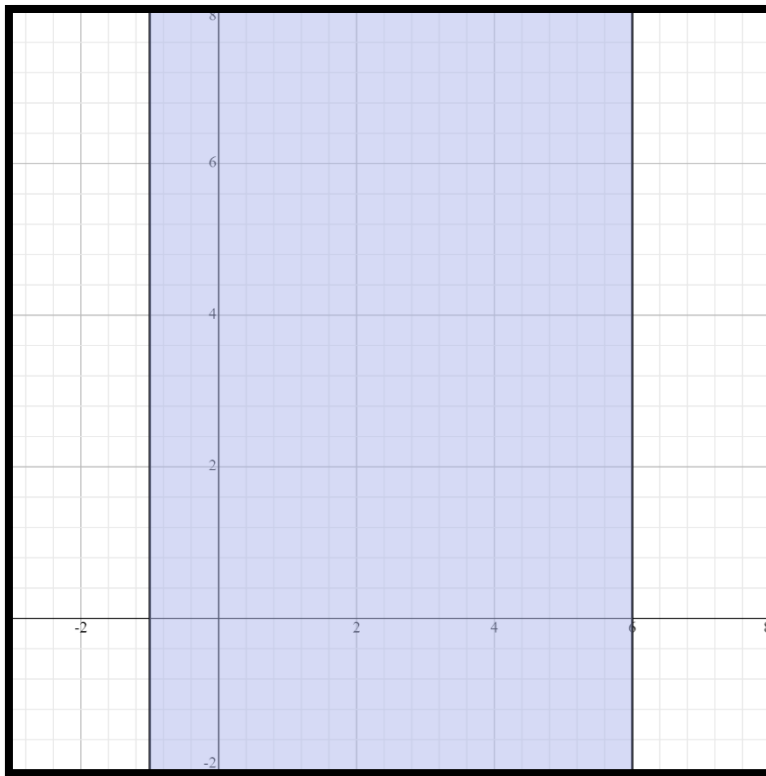
II - 6 - 59 - Ejercicio 34

$$-1 \leq x \leq 6$$

$$[-1, 6]$$



II - 6 - 60 - Ejercicio 35



II - 6 - 61 - Ejercicio 36

$$(-1, 7)$$



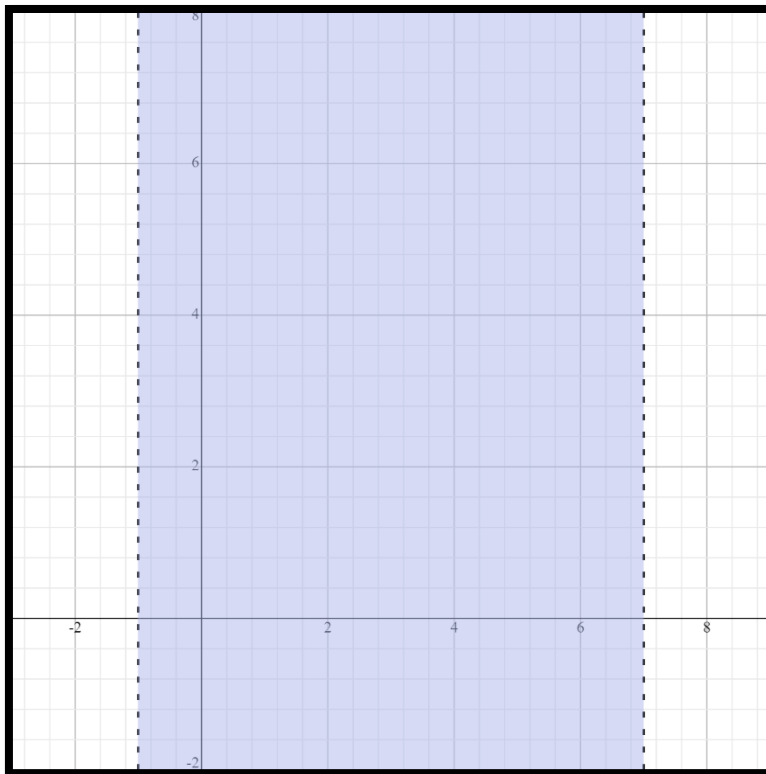
II - 6 - 62 - Ejercicio 37

$$-1 < x < 7$$

$$(-1, 7)$$



II - 6 - 63 - Ejercicio 38



II - 6 - 64- Ejercicio 39

$$(-\infty, -2] \cup [8, +\infty)$$



II - 6 - 65 - Ejercicio 40

$$x_1 \leq -2$$

$$x_2 \geq 8$$

$$(-\infty, -2] \cup [8, +\infty)$$



II – 6 – 66 – Ejercicio 41

